



National Oceanic and Atmospheric Administration FY 2016 Budget Request

February 13, 2015



Agenda



- Priority Alignment
- FY 2016 Budget Request
- NOAA Budget Summary



NOAA: America's Environmental Intelligence Agency

Providing Timely, Reliable, Actionable, Science-Based Information, Products, Services



- FY 2016 proposal supports critical investments in our priorities:
 - Provide information and services to make communities & economies more resilient
 - Evolve NOAA's National Weather Service
 - Invest in observational infrastructure
 - Achieve organizational excellence

NOAA America's Environmental Intelligence Agency

Putting environmental information into the hands of people who need it.

ENVIRONMENTAL INTELLIGENCE

Observations | Monitoring | Assessment | Modeling | Forecasts and Products

TOP PRIORITIES FOR 2014-2018

- 1 Make communities more resilient
- 2 Evolve the Weather Service
- 3 Invest in observational infrastructure
- 4 Achieve Organizational Excellence



Supporting Administration and Department Priorities

Building Resilient Communities and Promoting American Businesses

Environment

Ensure communities and businesses have the necessary information, products, and services to prepare for and prosper in a changing environment.

Data

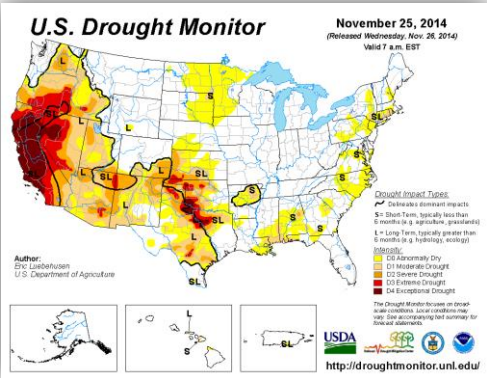
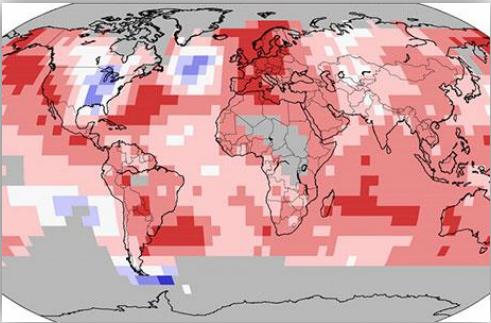
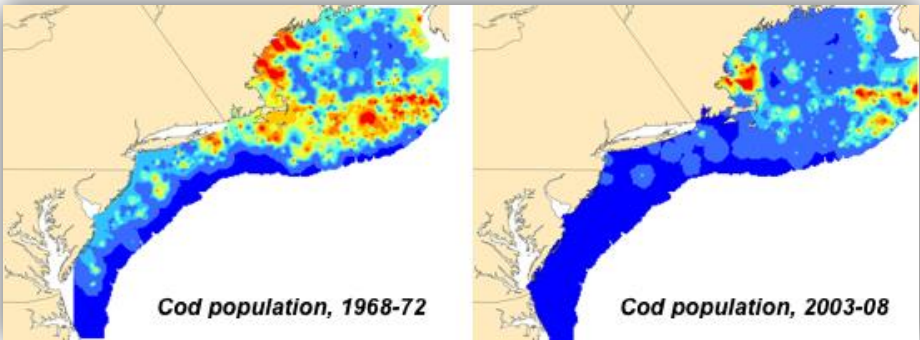
Improve government, business, and community decisions and knowledge by transforming DOC data capabilities and supporting a data-enabled economy.

Operational Excellence

Strengthen better services, solutions, and outcomes that benefit the American people.



Making Communities More Resilient

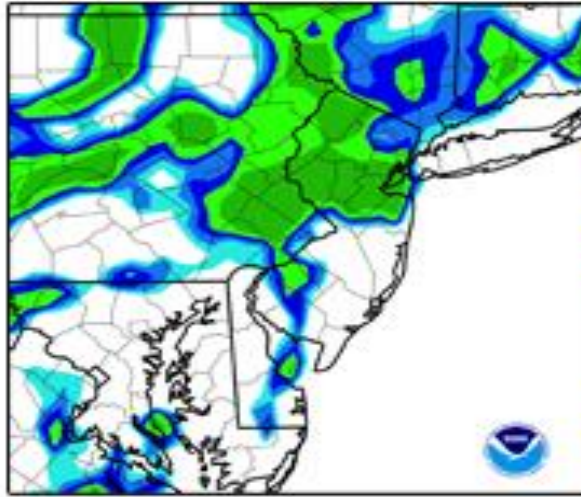




Evolving NOAA's National Weather Service to Build a Weather-Ready Nation



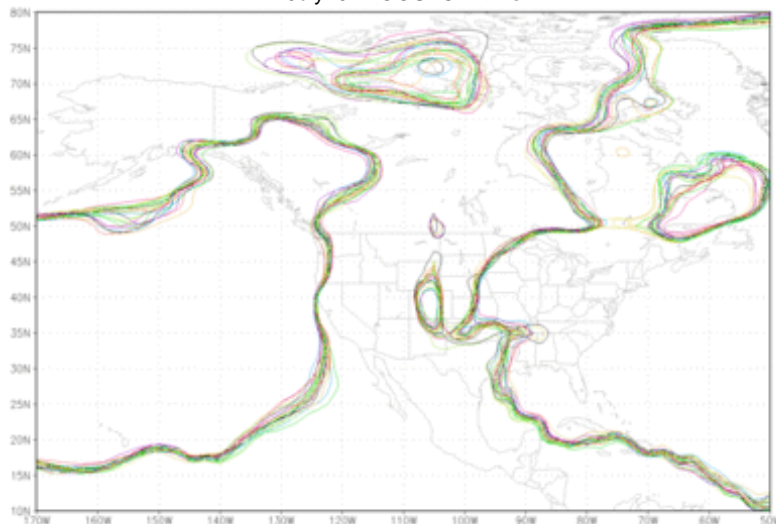
Existing Weather Model



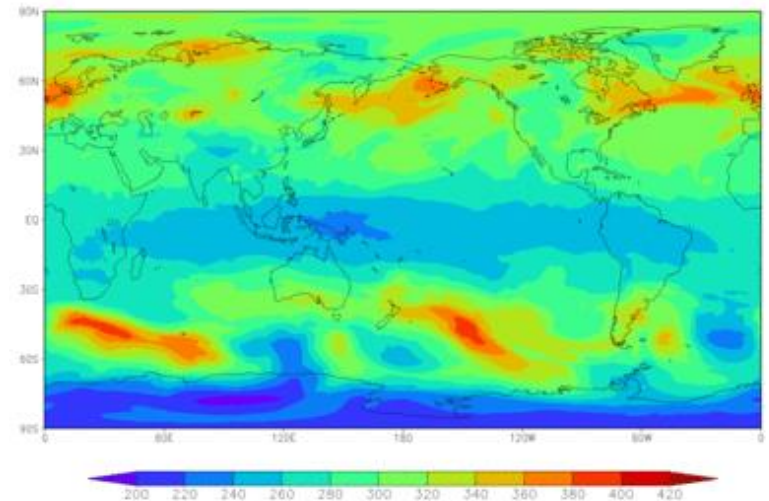
New HRRR Weather Model



21 Ensemble Member GEFS 1013hPa Mean Sea-Level Pressure
12July2012 OOUTC+24hrs

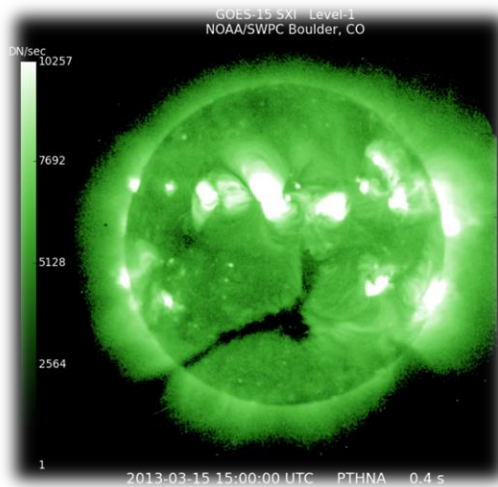


GFS Entire Atmosphere Total Ozone [Dobson]
00Z12JUL2012+000Hrs





Investing in Observational Infrastructure to Underpin Environmental Intelligence





Achieving Organizational Excellence Brilliant at the Basics





NOAA Discretionary Budget Summary by LO (FY 2013-2016)

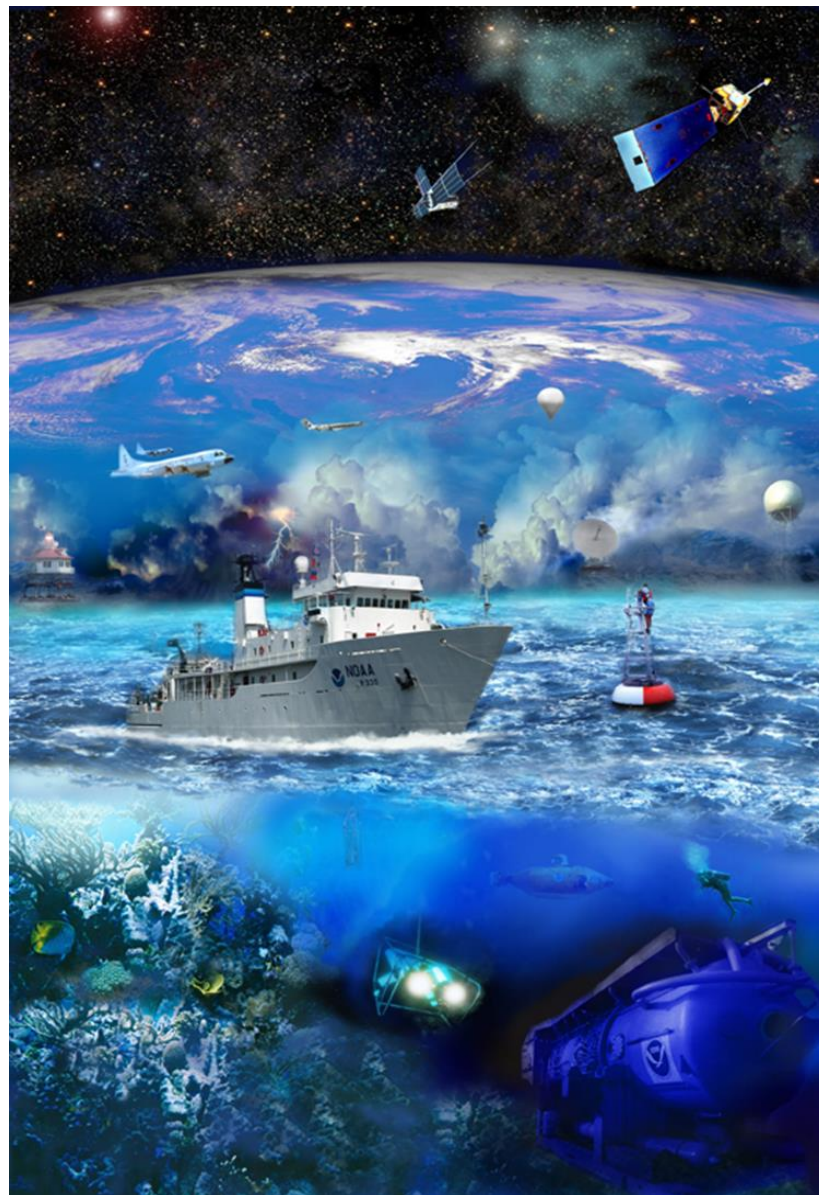


(\$ IN MILLIONS)	FY 2013 Spend Plan*	FY 2014 Spend Plan	FY 2015 Omnibus	FY 2016 President's Budget
NOS	\$442.7	\$474.9	\$484.8	\$550.8
NMFS	\$838.0	\$950.0	\$887.5	\$956.9
OAR	\$369.4	\$423.9	\$446.3	\$507.0
NWS	\$953.6	\$1,062.6	\$1,087.5	\$1,098.9
NESDIS	\$1,864.8	\$2,087.1	\$2,223.1	\$2,379.6
Program Support (with OMAO)	\$428.7	\$460.4	\$462.4	\$648.8
Financing	(\$149.4)	(\$136.4)	(\$142.7)	(\$159.4)
Total Discretionary Appropriation	\$4,747.8	\$5,322.5	\$5,448.9	\$5,982.6

* Does not include supplemental funds



Questions?





Community and Economic Resilience

Total: +\$175.4M



Coastal Resources

- Regional Coastal Resilience Grants (NOS): +\$45M
- Ecosystem-based Solutions for Coastal Resilience (NOS): +\$5M
- Capacity to Respond to Extreme Events (NOS): +\$4.8M
- HAB Forecast and Coastal Assessment Competitive Research (NOS): +\$4M

Water and Air Resources

- Climate Resilience Toolkit (OAR): +\$2.3M
- RISAs (OAR): +\$5.9M
- Atmospheric Baseline Observatories (OAR): +\$3M
- U.S. Global Change Research Program (OAR): +\$3.4M
- Greenhouse Gas Monitoring (OAR): +\$3M



Community and Economic Resilience (cont.)

Ocean Resources

- Fisheries Enforcement/Illegal, Unreported, Unregulated (IUU) Fishing (NMFS): +\$3M
- Integrated Ocean Acidification (OAR): +\$21.4M
- Climate Impacts on Fish Stocks (OAR): +\$5.5M
- Ecosystem-based Solutions for Fisheries Management (NMFS): +\$5M
- Increase Consultation Capacity (NMFS): +\$18.9M
- Support Growth of US-sourced Aquaculture (NMFS, OAR): +\$4.5M
- Expand Annual Stock Assessments (NMFS): +\$2.8M
- Electronic Monitoring and Reporting (NMFS): +\$7M
- Species Recovery Grants (NMFS): +\$17M
- Arctic (NOS, NMFS, OAR): \$4.4M



National Weather Service Evolution

Total: +\$35M



- NEXRAD Service Life Extension (NWS): +\$7.4M
- Enhanced Water Prediction Capability (NWS): +\$4M
- Warn-on Forecast (OAR): +\$1.7M
- Upgrade Dissemination Infrastructure (NWS): +\$9.7M
- Operational Supercomputing (NWS): +\$1.8M
- Mid-range Forecasting (OAR, NWS): +\$9M



Observational Infrastructure

Total: +\$572.2M

Observational Infrastructure

- Ocean Survey Vessel (OMAO): +\$147M
- Polar Follow-on/EON (NESDIS): +\$380M
- GNSS RO Ground System/COSMIC-2 RO Sensors (NESDIS): +\$13.2M
- DSCOVR Follow-on (NESDIS): +\$2.5M
- Space Weather operations and modeling (NWS): +\$2.5M

Support Systems

- Progressive Lifecycle Maintenance (OMAO): +\$5.7M
- Data Center Operations (NESDIS): +\$4.6M
- Satellite Ground Services (NESDIS): +\$2.7M
- Projects, Planning and Analysis (NESDIS): +\$5.3M



Organizational Excellence

Total: +\$22M



Modernizing Facilities and Systems

- R&D High Performance Computing Recapitalization (OAR): +\$9M
- WFO/RFC Relocations (NWS): +\$4.7M
- NAVSTA Newport Pier Study (PS): +\$1M

Building Organizational Capacity

- Corporate Services (PS): +\$4.3M